

# PHENYLDIAZIRINE COMPOUND AND PHOTOAFFINITY REAGENT

**Publication number:** JP2000319262 (A)

**Also published as:**

**Publication date:** 2000-11-21

 JP3746181 (B2)

**Inventor(s):** HATANAKA YASUMARU +

**Applicant(s):** SEIKAGAKU KOGYO CO LTD +

**Classification:**

- International: C07D229/02; C07D403/12; C07D495/04; C07H1/00; C07H5/04; G01N33/53; G01N33/532; G01N33/566; C07D229/00; C07D403/00; C07D495/00; C07H1/00; C07H5/00; G01N33/53; G01N33/532; G01N33/566; (IPC1-7): C07D229/02; C07D403/12; C07D495/04; C07H1/00; C07H5/04; G01N33/53; G01N33/532; G01N33/566

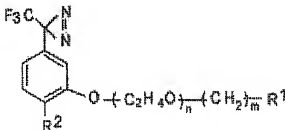
- European:

**Application number:** JP20000059547 20000303

**Priority number(s):** JP20000059547 20000303; JP19990057255 19990304

## Abstract of JP 2000319262 (A)

**PROBLEM TO BE SOLVED:** To obtain a novel compound useful as a synthetic intermediate for a stable and useful biotinylated phenyldiazirine compound for simply producing photoaffinity reagents. **SOLUTION:** A compound expressed by the formula R1 is NHP1 (P1 is an amino-protective group), COX1 [X1 is an alkoxy, OH, NHSO2-X2-CO-X3 (X2 is an arylene or alkylene; X3 is an alkoxy or OH)]; R2 is an aldehyde, a lower hydroxy alkyl, a halogenated lower alkyl, (CH2)X-O-NHP1 (x is 1-4) or the like; m is 1-4; n is 1-6), e.g. 2-[2-[2-(2-tert-butoxycarbonylaminoethoxy) ethoxyethoxy]-4-[3-(trifluoromethyl)-3H-diazirin-3-yl]benzyloxy]phthalimide). The compound of the formula is produced, e.g. by using [2-methoxy-4-(1-azir-2,2,2-trifluoroethyl) benzaldehyde] as a starting raw material.



Data supplied from the **espacenet** database — Worldwide













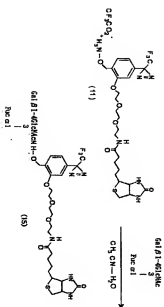






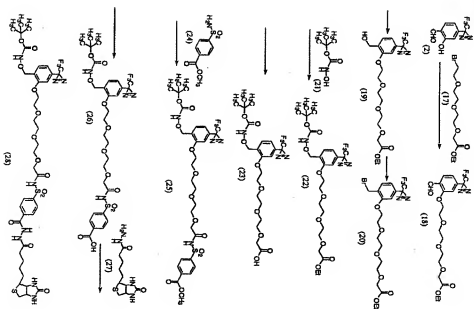


48



(20)

59

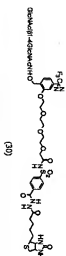
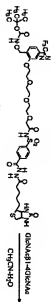
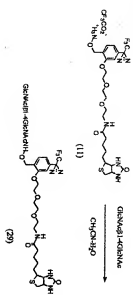


(21)

特開2000-319262

[86]

図 6



プロパノール溶液

調剤名

F I  
G 01 N 33/32

F-771 (特許)

(51) Int. Cl.  
G 01 N 33/32  
// G 01 N 33/3333/33  
33/36A  
U